

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/884,767

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. **Do not** use tab codes between numbers; use **space characters**, instead.

4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text**.

5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (ii) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

O IPE

RAW SEQUENCE LISTING DATE: 07/24/2001
 PATENT APPLICATION: US/09/884,767 TIME: 07:52:05

Input Set : A:\DYX-012.1 US seqlist.txt
 Output Set: N:\CRF3\07242001\I884767.raw

3 <110> APPLICANT: DYAX Corp.
 4 Ley, Arthur C.
 5 Luneau, Christopher J.
 6 Ladner, Robert C
 8 <120> TITLE OF INVENTION: NOVEL ENTEROKINASE CLEAVAGE SEQUENCES
 10 <130> FILE REFERENCE: DYX-012.1 US, DYX-012.1 PCT
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/884,767
 13 <141> CURRENT FILING DATE: 2001-06-19
 15 <150> PRIOR APPLICATION NUMBER: US 09/597,321
 16 <151> PRIOR FILING DATE: 2000-06-19
 18 <160> NUMBER OF SEQ ID NOS: 217
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 9
 24 <212> TYPE: PRT
 25 <213> ORGANISM: synthetic enterokinase cleavage sequence
 27 <220> FEATURE:
 28 <221> NAME/KEY: MISC_FEATURE
 29 <222> LOCATION: (1)..(1)
 30 <223> OTHER INFORMATION: [Xaa1] is an optional polypeptide of one or more amino acids
 33 <220> FEATURE: Xaa can only be a single amino acid
 34 <221> NAME/KEY: MISC_FEATURE
 35 <222> LOCATION: (2)..(2)
 36 <223> OTHER INFORMATION: Xaa2 is an optional amino acid which, if present, is Ala,
 Asp, Gl
 37 u, Phe, Gly, Ile, Asn, Ser, or Val
 40 <220> FEATURE:
 41 <221> NAME/KEY: MISC_FEATURE
 42 <222> LOCATION: (3)..(3)
 43 <223> OTHER INFORMATION: Xaa3 is an optional amino acid which, if present, is Ala,
 Asp, Gl
 44 u, His, Ile, Leu, Met, Gln or Ser
 47 <220> FEATURE:
 48 <221> NAME/KEY: MISC_FEATURE
 49 <222> LOCATION: (4)..(4)
 50 <223> OTHER INFORMATION: Xaa4 is an optional amino acid which, if present, is Asp,
 Glu, Ph
 51 e, His, Ile, Met, Asn, Pro, Val, or Trp
 54 <220> FEATURE:
 55 <221> NAME/KEY: MISC_FEATURE
 56 <222> LOCATION: (5)..(5)
 57 <223> OTHER INFORMATION: Xaa5 is Ala, Asp, Glu, or Thr
 60 <220> FEATURE:
 61 <221> NAME/KEY: MISC_FEATURE
 62 <222> LOCATION: (8)..(8)
 63 <223> OTHER INFORMATION: Xaa8 is any amino acid
 66 <220> FEATURE:
 67 <221> NAME/KEY: MISC_FEATURE
 68 <222> LOCATION: (9)..(9)
 69 <223> OTHER INFORMATION: Xaa9 is an optional polypeptide of at least one amino acid

Does Not Comply
 Corrected Diskette Needed
 See page 2 & 5

See item #10
 on ERROR Summary
 SHEET.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/884,767

DATE: 07/24/2001

TIME: 07:52:05

Input Set : A:\DYX-012.1 US seqlist.txt
 Output Set: N:\CRF3\07242001\I884767.raw

72 <400> SEQUENCE: 1
 W--> 74 Xaa Xaa Xaa Xaa Xaa Asp Arg Xaa Xaa
 75 1 5
 78 <210> SEQ ID NO: 2
 79 <211> LENGTH: 9
 80 <212> TYPE: PRT
 81 <213> ORGANISM: synthetic enterokinase cleavage sequence
 83 <220> FEATURE:
 84 <221> NAME/KEY: MISC_FEATURE
 85 <222> LOCATION: (1)..(1)
 86 <223> OTHER INFORMATION: [] is an optional polypeptide of one or more amino acids
 89 <220> FEATURE: — see page 1
 90 <221> NAME/KEY: MISC_FEATURE
 91 <222> LOCATION: (2)..(2)
 92 <223> OTHER INFORMATION: Xaa2 is an optional amino acid which, if present, is Asp or Glu
 95 <220> FEATURE:
 96 <221> NAME/KEY: MISC_FEATURE
 97 <222> LOCATION: (3)..(3)
 98 <223> OTHER INFORMATION: Xaa3 is an optional amino acid which, if present, is Val
 101 <220> FEATURE:
 102 <221> NAME/KEY: MISC_FEATURE
 103 <222> LOCATION: (4)..(4)
 104 <223> OTHER INFORMATION: Xaa4 is an optional amino acid which, if present, is Tyr
 107 <220> FEATURE:
 108 <221> NAME/KEY: MISC_FEATURE
 109 <222> LOCATION: (5)..(5)
 110 <223> OTHER INFORMATION: Xaa5 is Asp, Glu or Ser
 113 <220> FEATURE:
 114 <221> NAME/KEY: MISC_FEATURE
 115 <222> LOCATION: (8)..(8)
 116 <223> OTHER INFORMATION: Xaa8 is any amino acid
 119 <220> FEATURE:
 120 <221> NAME/KEY: MISC_FEATURE
 121 <222> LOCATION: (9)..(9) — see page 1
 122 <223> OTHER INFORMATION: [] is an optional polypeptide of one or more amino acids
 125 <400> SEQUENCE: 2
 W--> 127 Xaa Xaa Xaa Xaa Glu Arg Xaa Xaa
 128 1 5
 131 <210> SEQ ID NO: 3
 132 <211> LENGTH: 7
 133 <212> TYPE: PRT
 134 <213> ORGANISM: synthetic enterokinase cleavage sequence — see page 1
 136 <220> FEATURE:
 137 <221> NAME/KEY: MISC_FEATURE
 138 <222> LOCATION: (7)..(7)
 139 <223> OTHER INFORMATION: Xaa is any amino acid
 142 <400> SEQUENCE: 3
 W--> 144 Asp Ile Asn Asp Asp Arg Xaa
 145 1 5

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/884,767

DATE: 07/24/2001
TIME: 07:52:05

Input Set : A:\DYX-012.1 US seqlist.txt
Output Set: N:\CRF3\07242001\I884767.raw

148 <210> SEQ ID NO: 4
 149 <211> LENGTH: 7
 150 <212> TYPE: PRT
 151 <213> ORGANISM: synthetic enterokinase cleavage sequence
 153 <220> FEATURE:
 154 <221> NAME/KEY: MISC_FEATURE
 155 <222> LOCATION: (7)..(7)
 156 <223> OTHER INFORMATION: Xaa is any amino acid
 159 <400> SEQUENCE: 4
 W--> 161 Gly Asn Tyr Thr Asp Arg Xaa
 162 1 5
 165 <210> SEQ ID NO: 5
 166 <211> LENGTH: 6
 167 <212> TYPE: PRT
 168 <213> ORGANISM: streptavidin binding sequence — see page 1
 170 <400> SEQUENCE: 5
 172 Cys His Pro Gln Phe Cys
 173 1 5
 176 <210> SEQ ID NO: 6
 177 <211> LENGTH: 4
 178 <212> TYPE: PRT
 179 <213> ORGANISM: streptavidin binding sequence
 181 <400> SEQUENCE: 6
 183 His Pro Gln Phe
 184 1
 187 <210> SEQ ID NO: 7
 188 <211> LENGTH: 9
 189 <212> TYPE: PRT
 190 <213> ORGANISM: streptavidin binding sequence
 192 <400> SEQUENCE: 7
 194 Cys His Pro Gln Phe Cys Ser Trp Arg
 195 1 5
 198 <210> SEQ ID NO: 8
 199 <211> LENGTH: 6
 200 <212> TYPE: PRT
 201 <213> ORGANISM: enterokinase cleavage sequence
 203 <220> FEATURE:
 204 <221> NAME/KEY: MISC_FEATURE
 205 <222> LOCATION: (6)..(6)
 206 <223> OTHER INFORMATION: Xaa is Ile (natural trypsinogen site) or any amino acid
 (syntheti
 207 c cleavage sites)
 210 <400> SEQUENCE: 8
 W--> 212 Asp Asp Asp Asp Lys Xaa
 213 1 5
 216 <210> SEQ ID NO: 9
 217 <211> LENGTH: 86
 218 <212> TYPE: PRT
 219 <213> ORGANISM: exogenous display polypeptide of a phage display library
 221 <220> FEATURE:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/884,767

DATE: 07/24/2001
TIME: 07:52:05

Input Set : A:\DYX-012.1 US seqlist.txt
Output Set: N:\CRF3\07242001\I884767.raw

222 <221> NAME/KEY: MISC_FEATURE
223 <222> LOCATION: (43)..(55)
224 <223> OTHER INFORMATION: X is any amino acid except Cys
227 <400> SEQUENCE: 9
229 Ala Glu Trp His Pro Gln Phe Ser Ser Pro Ser Ala Ser Arg Pro Ser
230 1 5 10 15
233 Glu Gly Pro Cys His Pro Gln Phe Pro Arg Cys Tyr Ile Glu Asn Leu
234 20 25 30
W--> 237 Asp Glu Phe Arg Pro Gly Gly Ser Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa
238 35 40 45
W--> 241 Xaa Xaa Xaa Xaa Xaa Xaa Gly Ala Gln Ser Asp Gly Gly Ser
242 50 55 60
245 Thr Glu His Ala Glu Gly Ser Ala Asp Pro Ser Tyr Ile Glu Gly
246 65 70 75 80
249 Arg Ile Val Gly Ser Ala
250 85
253 <210> SEQ ID NO: 10
254 <211> LENGTH: 7
255 <212> TYPE: PRT
256 <213> ORGANISM: synthetic enterokinase cleavage sequence
258 <400> SEQUENCE: 10
260 Tyr Glu Trp Gln Asp Arg Thr
261 1 5
264 <210> SEQ ID NO: 11
265 <211> LENGTH: 7
266 <212> TYPE: PRT
267 <213> ORGANISM: synthetic enterokinase cleavage sequence
269 <400> SEQUENCE: 11
271 Asn Ser Ile Lys Asp Arg Val
272 1 5
275 <210> SEQ ID NO: 12
276 <211> LENGTH: 7
277 <212> TYPE: PRT
278 <213> ORGANISM: synthetic enterokinase cleavage sequence
280 <400> SEQUENCE: 12
282 Ala Lys Ala Thr Glu Arg His
283 1 5
286 <210> SEQ ID NO: 13
287 <211> LENGTH: 7
288 <212> TYPE: PRT
289 <213> ORGANISM: synthetic enterokinase cleavage sequence
291 <400> SEQUENCE: 13
293 Leu Gly Lys Val Asp Arg Thr
294 1 5
297 <210> SEQ ID NO: 14
298 <211> LENGTH: 7
299 <212> TYPE: PRT
300 <213> ORGANISM: synthetic enterokinase cleavage sequence
302 <400> SEQUENCE: 14

See page 1

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/884,767

DATE: 07/24/2001

TIME: 07:52:05

Input Set : A:\DYX-012.1 US seqlist.txt
Output Set: N:\CRF3\07242001\I884767.raw

304 Gly Gly Met Ala Asp Lys Phe
 305 1 5
 308 <210> SEQ ID NO: 15
 309 <211> LENGTH: 7
 310 <212> TYPE: PRT
 311 <213> ORGANISM: synthetic enterokinase cleavage sequence
 313 <400> SEQUENCE: 15

315 Gly His Trp Leu Asp Lys Asn
 316 1 5
 319 <210> SEQ ID NO: 16
 320 <211> LENGTH: 7
 321 <212> TYPE: PRT
 322 <213> ORGANISM: synthetic enterokinase cleavage sequence
 324 <400> SEQUENCE: 16

326 Asn Lys Ala Lys Asp Arg Met
 327 1 5
 330 <210> SEQ ID NO: 17
 331 <211> LENGTH: 7
 332 <212> TYPE: PRT
 333 <213> ORGANISM: synthetic enterokinase cleavage sequence
 335 <400> SEQUENCE: 17

337 Ser Glu Asn Phe Asp Lys Asn
 338 1 5
 341 <210> SEQ ID NO: 18
 342 <211> LENGTH: 7
 343 <212> TYPE: PRT
 344 <213> ORGANISM: synthetic enterokinase cleavage sequence
 346 <400> SEQUENCE: 18

348 Leu Asp Trp Glu Asp Arg Ala
 349 1 5
 352 <210> SEQ ID NO: 19
 353 <211> LENGTH: 7
 354 <212> TYPE: PRT
 355 <213> ORGANISM: synthetic enterokinase cleavage sequence
 357 <400> SEQUENCE: 19

359 Ser Thr Asp Ala Glu Arg Met
 360 1 5
 363 <210> SEQ ID NO: 20
 364 <211> LENGTH: 7
 365 <212> TYPE: PRT
 366 <213> ORGANISM: synthetic enterokinase cleavage sequence
 368 <400> SEQUENCE: 20

370 His Thr Phe Ser Asp Arg Gln
 371 1 5
 374 <210> SEQ ID NO: 21
 375 <211> LENGTH: 7
 376 <212> TYPE: PRT
 377 <213> ORGANISM: synthetic enterokinase cleavage sequence
 379 <400> SEQUENCE: 21

*— See page 1**FYF:*Please Note:

Use f n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields for each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/884,767

DATE: 07/24/2001
TIME: 07:52:06

Input Set : A:\DYX-012.1 US seqlist.txt
Output Set: N:\CRF3\07242001\I884767.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:2417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:2461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:2502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207